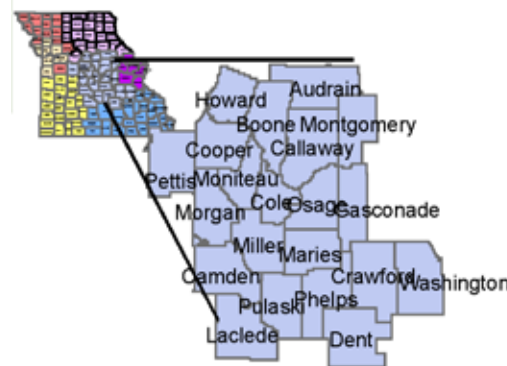


ASTHMA FACT SHEET: CENTRAL REGION (2003-2004)



Age-adjusted Asthma Emergency Department Visit Rates by County, Central Missouri 2003

| County | Rate per 1,000 |
|------------|----------------|
| Audrain | 5.7 |
| Boone | 4.2 |
| Callaway | 5.0 |
| Camden | 4.7 |
| Cole | 3.4 |
| Cooper | 4.3 |
| Crawford | 3.6 |
| Dent | 6.6 |
| Gasconade | 2.3 |
| Howard | 3.4 |
| Laclede | 3.7 |
| Maries | NC |
| Miller | 4.0 |
| Moniteau | 2.4 |
| Montgomery | 3.9 |
| Morgan | 3.0 |
| Osage | NC |
| Pettis | 5.3 |
| Phelps | 3.2 |
| Pulaski | 1.6 |
| Washington | 8.7* |
| Region | 3.9 |
| State | 5.6 |

NC =Sample size was not sufficient for rate calculation

*= Statistically significantly higher than the state ED rate

PREVALENCE

- Based on 2004 estimates, approximately 40,000 adults and 8,000 children under age 18 in the central region are currently living with asthma
- Current asthma prevalence among adults living in the central region was 6.9%, compared to 9.1% for all adults in Missouri*
- Current asthma prevalence among children was 4.6%, compared to 8.0% for all children living in Missouri**

ASTHMA EMERGENCY DEPARTMENT VISITS

There were 2,629 emergency department (ED) visits in the central region in 2003

- The age-adjusted asthma ED visit rate was 3.9 per 1,000 persons, which was lower than the state rate (5.6 per 1,000)**
- See table at left for ED visit rates by county
- Children accounted for 37.2% of all asthma ED visits in this region compared to 45.0% for the state as a whole
- African Americans made up only 5.3% of the region's population, but accounted for 15.3% of all asthma ED visits
- ED visit rates were higher among females than males**

ASTHMA HOSPITALIZATIONS

There were 646 hospitalizations in the central region in 2003

- The age-adjusted asthma hospitalization rate was 9.7 per 10,000, which was lower than the state rate (13.9 per 10,000)**
- Children accounted for 31.4% of all asthma hospitalizations in this region compared to 36.7% for the state as a whole
- African Americans made up only 5.3% of the region's population, but accounted for 9.8% of all asthma hospitalizations
- Asthma led to 2,210 days of hospital care
- Charges totaled nearly \$5 million for asthma hospitalizations

*Differences were not statistically significant

**Differences were statistically significant

Note: Emergency department and hospitalization rates have been age adjusted based on the US 2000 standard population; county and regional data are reported by patient residence.

Data Sources

Prevalence Data: Missouri Department of Health and Senior Services. Missouri Behavioral Risk Factor Surveillance System, 2004.

ED and Hospitalization Data: Missouri Department of Health and Senior Services — Bureau of Health Informatics. Missouri Information for Community Assessment (MICA). Accessed August 1, 2005. <http://www.health.state.mo.us/MICA/>

Population Data: Missouri Census Data Center. 2003 Population Estimates for Missouri and the United States. <http://mcdc2.missouri.edu/trends/estimates.shtml>